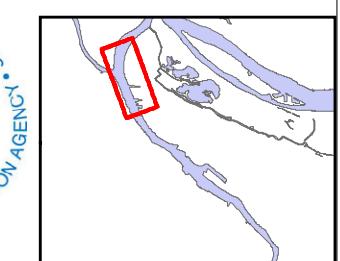
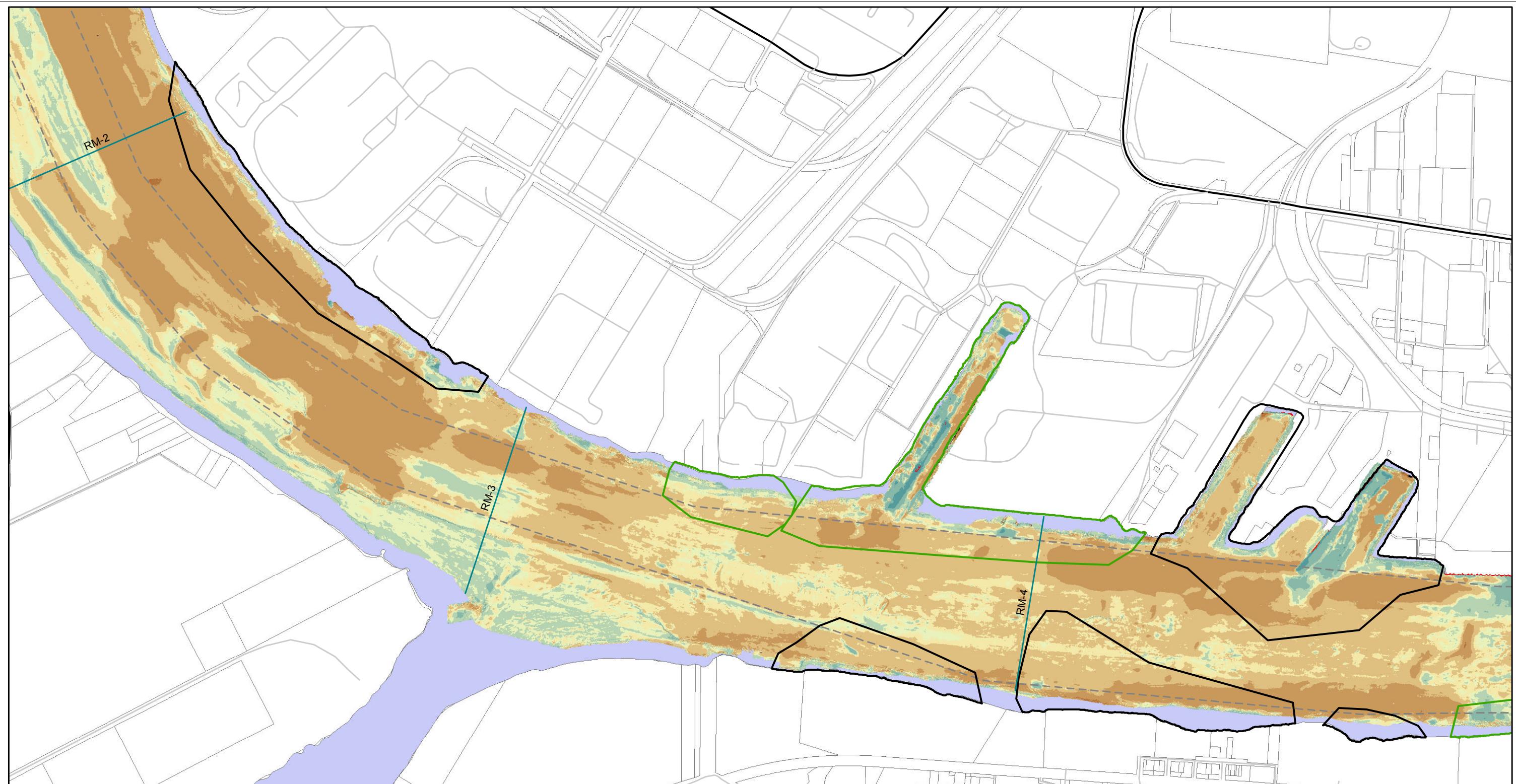


Portland Harbor Erosion and Deposition since January 2002

0 500 1,000 2,000 3,000 4,000 Feet





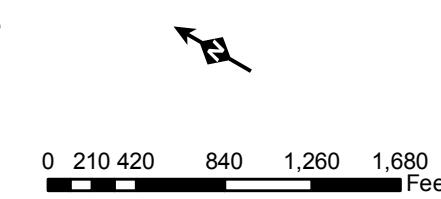
Portland Harbor Erosion and Deposition since January 2002

Legend

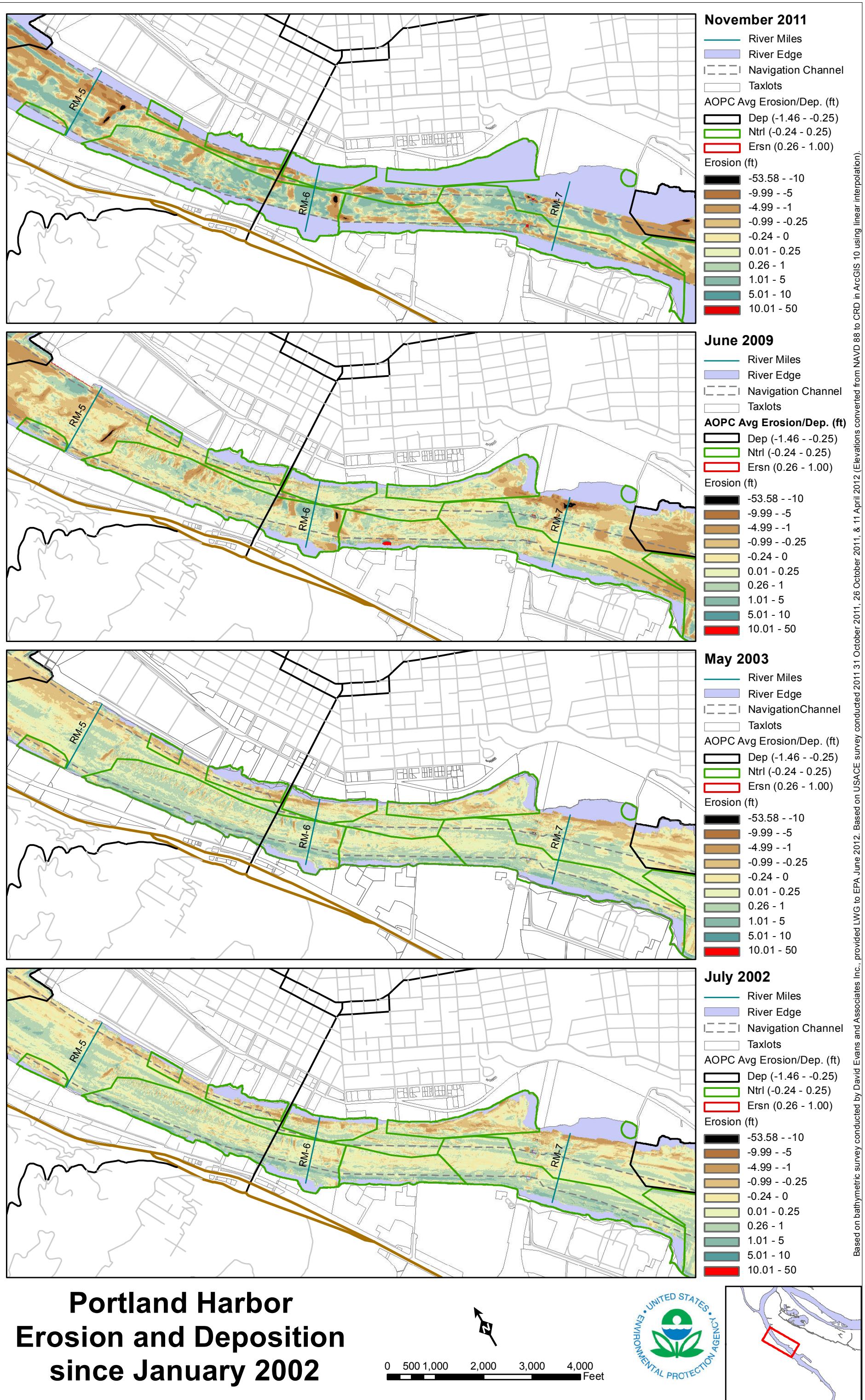
- River Miles
- River Edge
- Navigation Channel
- Taxlots

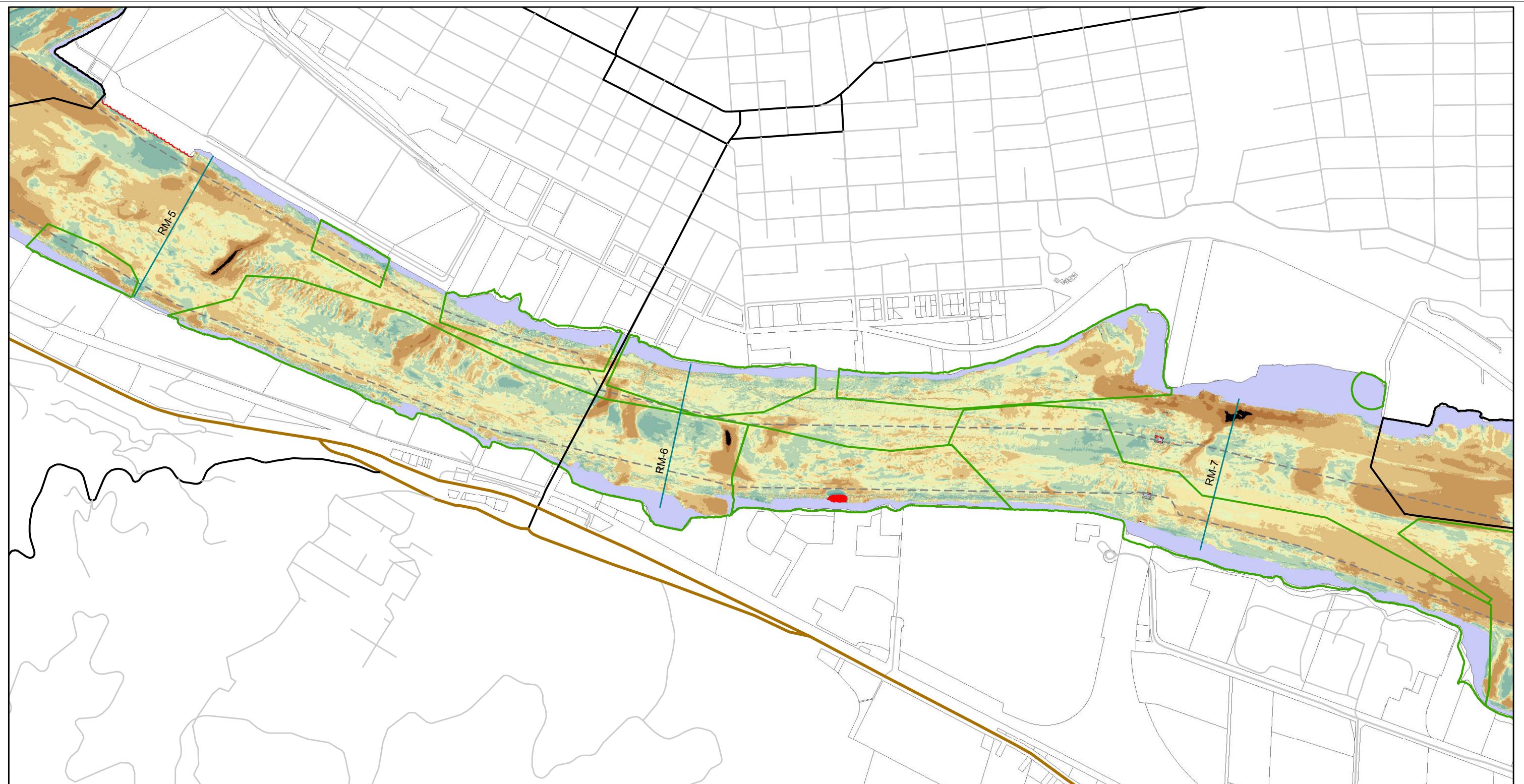
- AOPC Avg Erosion/Dep. (ft)
- Dep (-1.46 - -0.25)
- Ntrl (-0.24 - 0.25)
- Ersn (0.26 - 1.00)

June 2009 Erosion (ft)	
-53.58 - -10	0.01 - 0.25
-9.99 - -5	0.26 - 1
-4.99 - -1	1.01 - 5
-0.99 - -0.25	5.01 - 10
-0.24 - 0	10.01 - 50



Based on bathymetric survey conducted by David Evans and Associates Inc., provided LWG to EPA June 2012. Based on USACE survey conducted 2011 31 October 2011, 26 October 2011, & 11 April 2012 (Elevations converted from NAVD 88 to CRD in ArcGIS 10 using linear interpolation).





Portland Harbor Erosion and Deposition since January 2002

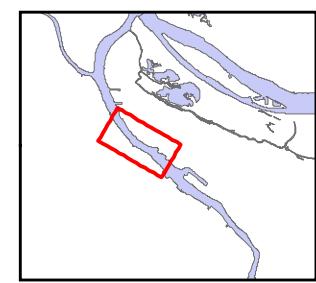
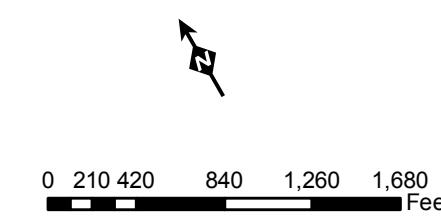
Legend

- River Miles
- River Edge
- Navigation Channel
- Taxlots

- AOPC Avg Erosion/Dep. (ft)
- Dep (-1.46 - -0.25)
- Ntrl (-0.24 - 0.25)
- Ersn (0.26 - 1.00)

- June 2009 Erosion (ft)
- 53.58 - -10
- 9.99 - -5
- 4.99 - -1
- 0.99 - -0.25
- 0.24 - 0

- 0.01 - 0.25
- 0.26 - 1
- 1.01 - 5
- 5.01 - 10
- 10.01 - 50



Date: 7/24/2012

Based on bathymetric survey conducted by David Evans and Associates Inc., provided LWG to EPA June 2012. Based on USACE survey conducted 2011 31 October 2011, 26 October 2011, & 11 April 2012 (Elevations converted from NAVD 88 to CRD in ArcGIS 10 using linear interpolation).

Figure 4.1-5d. Erosion and Deposition Since January 2002

Based on bathymetric survey conducted by David Evans and Associates Inc., provided LWG to EPA June 2012. Based on USACE survey conducted 2011 31 October 2011, 26 October 2011, & 11 April 2012 (Elevations converted from NAVD 88 to CRD in ArcGIS 10 using linear interpolation).

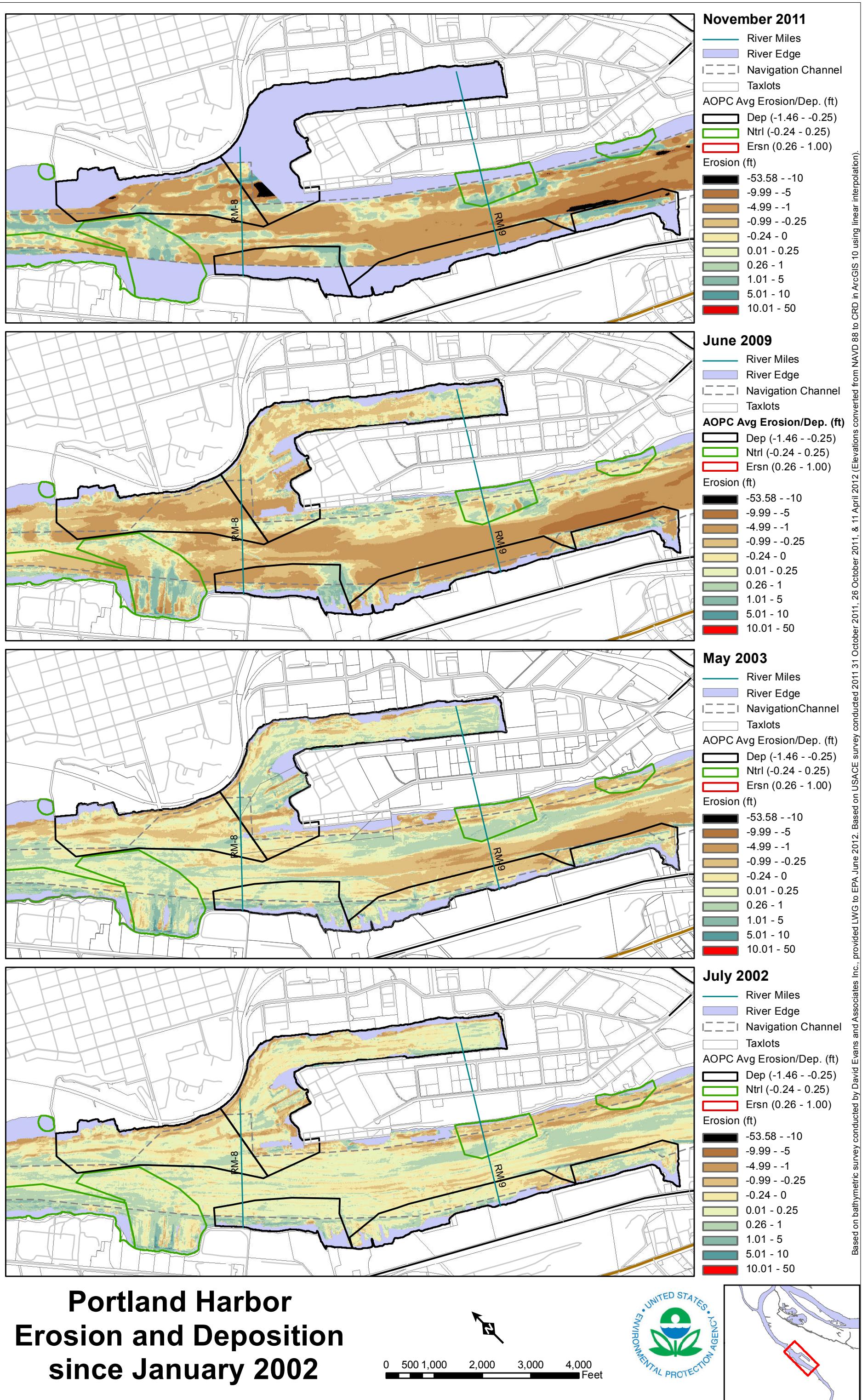


Figure 4.1-5e. Erosion and Deposition Since January 2002



Portland Harbor Erosion and Deposition since January 2002

Date: 7/24/2012

Based on bathymetric survey conducted by David Evans and Associates Inc., provided LWG to EPA June 2012. Based on USACE survey conducted 2011 31 October 2011, 26 October 2011, & 11 April 2012 (Elevations converted from NAVD 88 to CRD in ArcGIS 10 using linear interpolation).

Legend

- River Miles
- River Edge
- Navigation Channel
- Taxlots

- AOPC Avg Erosion/Dep. (ft)
- June 2009 Erosion (ft)
- Dep (-1.46 - -0.25)
- Ntrl (-0.24 - 0.25)
- Ersn (0.26 - 1.00)

- 0.01 - 0.25
- 0.26 - 1
- 1.01 - 5
- 5.01 - 10
- 10.01 - 50
- 53.58 - -10
- 9.99 - -5
- 4.99 - -1
- 0.99 - -0.25
- 0.24 - 0

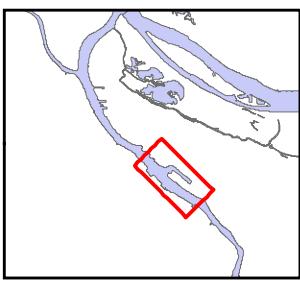
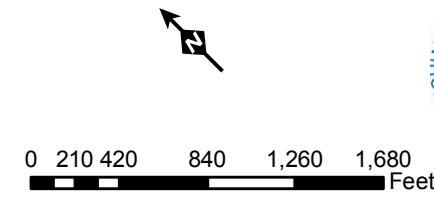
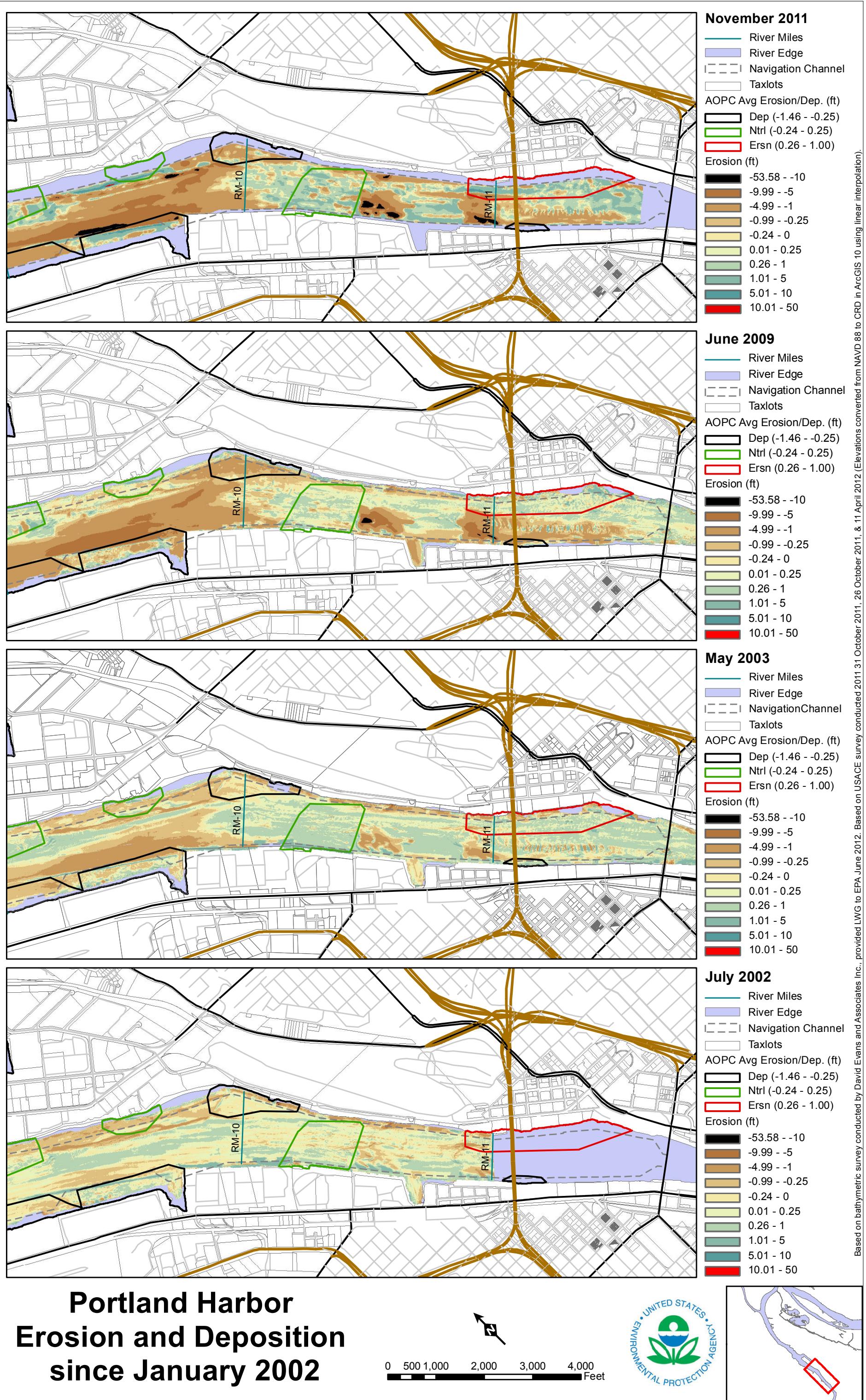
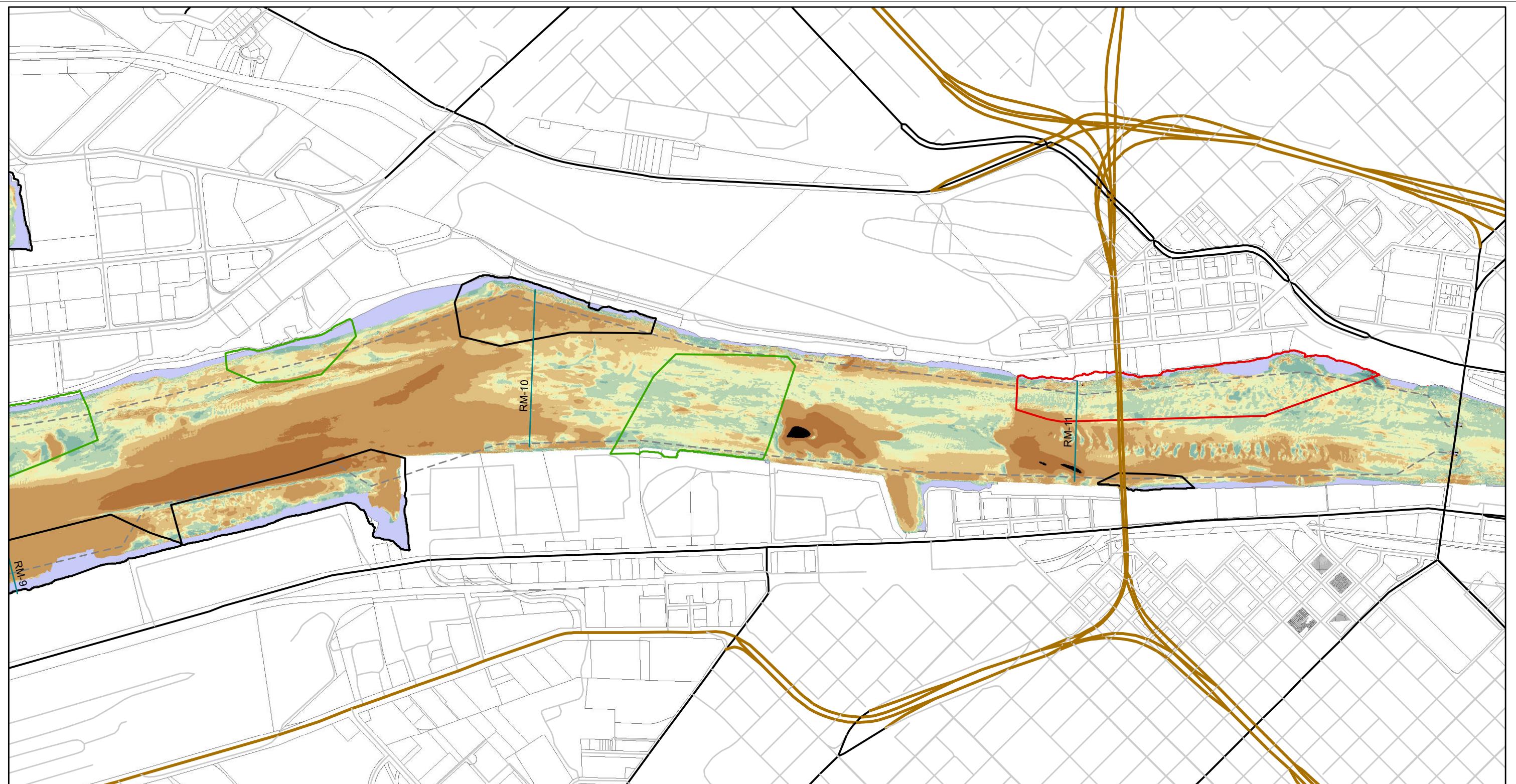


Figure 4.1-5f. Erosion and Deposition Since January 2002

Based on bathymetric survey conducted by David Evans and Associates Inc., provided LWG to EPA June 2012. Based on USACE survey conducted 2011 31 October 2011, 26 October 2011, & 11 April 2012 (Elevations converted from NAVD 88 to CRD in ArcGIS 10 using linear interpolation).





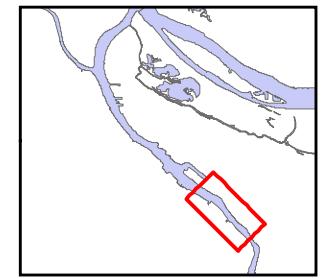
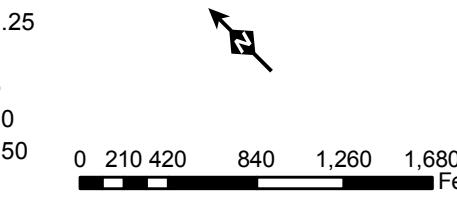
Portland Harbor Erosion and Deposition since January 2002

Legend

- River Miles
- River Edge
- - - Navigation Channel
- Taxlots

- AOPC Avg Erosion/Dep. (ft)
- Dep (-1.46 - -0.25)
- Ntrl (-0.24 - 0.25)
- Ersn (0.26 - 1.00)

- | June 2009 Erosion (ft) | |
|------------------------|-------------|
| -53.58 - -10 | 0.01 - 0.25 |
| -9.99 - -5 | 0.26 - 1 |
| -4.99 - -1 | 1.01 - 5 |
| -0.99 - -0.25 | 5.01 - 10 |
| -0.24 - 0 | 10.01 - 50 |



Date: 7/24/2012

Based on bathymetric survey conducted by David Evans and Associates Inc., provided LWG to EPA June 2012. Based on USACE survey conducted 2011 31 October 2011, 26 October 2011, & 11 April 2012 (Elevations converted from NAVD 88 to CRD in ArcGIS 10 using linear interpolation).

Figure 4.1-5h. Erosion and Deposition Since January 2002